

09496500 CARRIZO CREEK NEAR SHOW LOW, AZ

LOCATION--Lat 33°59'09", long 110°16'49", in sec. 24, T.7 N., R.19 E. (unsurveyed), Gila County, Hydrologic Unit 15060104, in Fort Apache Indian Reservation, on right bank 500 ft upstream from bridge on U.S. Highway 60, 1 mi downstream from Corduroy Creek, 23 mi southwest of Show Low, and 24 mi upstream from mouth.

DRAINAGE AREA--439 mi².

PERIOD OF RECORD--June 1951 to June 1961, June 1967 to June 1976, Oct. 1975 to June 1976 (monthly discharges only), Apr. 1977 to current year.

REVISED RECORDS--WRD Ariz. 1968: Drainage area.

GAGE--Water-stage recorder. Datum of gage is 4,749.52 ft above sea level. Prior to June 1976 at site on bridge pier 400 ft downstream at same datum.

REMARKS--Records fair except for estimated daily discharges, which are poor. Diversions for irrigation above station of less than 300 acres. Records include transbasin diversion from Show Low Creek into headwaters of Carrizo Creek. (See sta 09495000.)

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 20,500 ft³/s Jan. 18, 1952, gage height, 12.08 ft, at site then in use, from rating curve extended above 2,000 ft³/s on basis of slope-area measurement of peak flow; maximum gage height, 15.1 ft Dec. 18, 1978, from highwater mark; minimum daily discharge, no flow, estimated, June 17, 2002.

EXTREMES OUTSIDE PERIOD OF RECORD--Maximum discharge since at least 1951, about 23,000 ft³/s Dec. 30, 1965, gage height, 13.0 ft, from floodmark at previous site, from rating curve extended above 2,000 ft³/s on basis of slope-area measurement at gage height 12.08 ft.

EXTREMES FOR CURRENT YEAR--Peak discharges greater than base discharge of 1,000 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 29.....	2000	3,140	7.35	Feb. 22.....	1920	1,800	5.86
Jan. 4.....	0820	2,750	6.96	Mar. 6.....	0410	1,070	4.78
Feb. 12.....	0655	*4,020	*8.14	Sept. 9.....	2220	1,100	4.83
Feb. 19.....	0850	3,340	7.53				

Minimum daily discharge, 0.84 ft³/s, July 12.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	6.4	6.9	81	95	147	39	17	8.3	1.7	20	e5.5
2	3.3	5.8	6.4	45	73	119	36	16	8.0	1.5	11	6.6
3	3.1	5.6	6.1	167	56	98	33	15	7.8	1.4	42	8.1
4	3.0	5.6	6.4	1790	45	84	30	15	7.3	1.2	78	17
5	2.8	5.5	7.5	604	41	145	28	14	6.9	1.8	19	9.2
6	2.7	5.4	7.6	260	38	694	27	13	6.4	1.9	17	7.6
7	2.7	5.8	7.0	186	56	496	26	13	6.3	1.9	15	6.9
8	2.6	7.1	6.7	166	105	263	25	13	6.2	1.8	24	19
9	2.6	6.1	6.5	225	90	167	24	13	6.0	1.6	44	91
10	2.7	5.8	6.3	247	75	121	24	12	6.1	1.7	51	e96
11	3.2	5.5	6.4	330	913	94	23	12	6.2	1.4	42	e22
12	3.5	5.5	6.4	323	2620	78	23	12	6.3	0.84	183	e12
13	3.1	5.7	6.3	163	987	68	22	12	5.8	0.92	66	e9.3
14	3.0	5.8	6.3	106	416	63	21	11	5.2	1.0	e82	e8.9
15	2.9	5.7	6.3	73	243	64	20	11	4.7	1.1	e35	e8.5
16	3.0	6.5	6.1	60	204	56	19	11	4.3	1.1	59	e8.0
17	3.3	6.0	6.1	52	145	50	18	10	4.2	1.2	19	e8.0
18	3.1	5.7	6.0	47	351	46	18	10	4.1	1.5	12	e7.9
19	3.1	5.6	6.1	44	2070	48	17	9.6	3.8	1.5	16	7.4
20	3.2	5.6	6.1	49	1520	58	17	9.1	3.4	5.6	15	7.1
21	3.5	7.0	6.1	55	711	60	16	8.6	3.4	5.5	10	7.0
22	6.7	43	6.0	66	1300	50	16	8.5	3.3	3.2	8.9	6.6
23	4.5	65	5.5	66	979	44	16	7.9	3.4	12	12	6.2
24	4.1	42	4.8	58	522	40	30	7.3	4.3	7.3	33	e6.6
25	4.3	22	5.6	48	342	45	29	7.0	3.7	30	e20	e7.0
26	4.8	15	5.6	52	272	77	36	6.9	3.1	19	e15	e6.3
27	38	12	5.6	242	234	87	25	7.3	2.7	9.6	e8.9	e6.4
28	20	10	5.5	264	182	103	21	11	2.5	18	e6.6	7.0
29	44	9.3	810	135	---	82	19	17	2.2	10	e5.9	6.6
30	9.1	7.7	751	109	---	60	18	11	1.9	11	e5.8	e6.3
31	6.6	---	199	104	---	46	---	9.1	---	37	e5.8	---
TOTAL	206.2	349.7	1934.2	6217	14685	3653	716	350.3	147.8	195.26	981.9	432.0
MEAN	6.65	11.7	62.4	201	524	118	23.9	11.3	4.93	6.30	31.7	14.4
MAX	44	65	810	1790	2620	694	39	17	8.3	37	183	96
MIN	2.6	5.4	4.8	44	38	40	16	6.9	1.9	0.84	5.8	5.5
AC-FT	409	694	3840	12330	29130	7250	1420	695	293	387	1950	857
CFSM	0.02	0.03	0.14	0.46	1.19	0.27	0.05	0.03	0.01	0.01	0.07	0.03
IN.	0.02	0.03	0.16	0.53	1.24	0.31	0.06	0.03	0.01	0.02	0.08	0.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2005, BY WATER YEAR (WY)

	MEAN	25.1	20.5	63.8	86.9	118	132	43.8	17.7	10.8	13.0	19.7	11.6
MAX	397	147	762	1031	965	698	350	154	41.3	41.1	83.4	45.2	
(WY)	1973	1960	1979	1993	1980	1978	1973	1973	1973	1973	2002	2003	
MIN	1.63	2.53	3.86	4.94	5.13	4.81	4.31	1.75	0.30	1.35	2.96	0.91	
(WY)	1957	1957	1957	2003	2002	2002	2002	2002	2002	1971	1997	1956	

SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1951 - 2005

ANNUAL TOTAL		5790.85		29868.36								
ANNUAL MEAN		15.8		81.8						47.7		
HIGHEST ANNUAL MEAN										201		1979
LOWEST ANNUAL MEAN										5.22		2000
HIGHEST DAILY MEAN		810	Dec 29	2620	Feb 12	10900	Dec 18	1978				
LOWEST DAILY MEAN		0.58	Jun 29	0.84	Jul 12	0.00	Jun 17	2002				
ANNUAL SEVEN-DAY MINIMUM		0.60	Jun 26	1.1	Jul 11	0.09	Jun 23	2002				
ANNUAL RUNOFF (AC-FT)		11490		59240		34530						
ANNUAL RUNOFF (CFSM)		0.036		0.186		0.109						
ANNUAL RUNOFF (INCHES)		0.49		2.53		1.48						
10 PERCENT EXCEEDS		14		166		69						
50 PERCENT EXCEEDS		5.6		11		9.8						
90 PERCENT EXCEEDS		1.9		3.1		2.6						

e Estimated